








**1) Family number: 28830990 ( WO03057740 A1)****Title:**

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ORGANIC DISPERSIONS OF SURFACE-MODIFIED NANOPARTICLES, METHOD FOR THE PRODUCTION AND USE THEREOF

**Title:(2):**




ORGANISCHE DISPERSIONEN VON OBERFLÄCHENMODIFIZIERTEN NANOPARTIKELN, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

**Priority:**

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**Family:**

family explorer

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AU2002358768 AA	20030724	AU20020358768	20021219	
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AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**International class (IPC**

**8):** C08F2/44 C08F222/10 C08G18/62 C08G18/80 C08G18/81 C09D133/06 C09D135/06 C09J133/06

C09J135/06 (Advanced/Invention);

C08K9/04 (Advanced/Non-invention);

C08F2/44 C08F222/00 C08G18/00 C09D133/06 C09D135/00 C09J133/06 C09J135/00 (Core/Invention);

C08K9/00 (Core/Non-invention)

**International class (IPC**

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**European class:**

C08F2/44 C08F222/10B C08G18/62G6D C08G18/80H50 C08G18/80H9 C08G18/81K3B4 C09D133/06 C09D135/06 C09J133/06 C09J135/06

**Cited documents:**

EP0872500, DE19540623,

**Abstract:**

Source: WO03057740A1 The invention relates to dispersions of surface-modified nanoparticles that are obtained by subjecting to a strong shearing action (1) a mixture that contains (A) nanoparticles, (B) an amphiphilic and (C) a compound comprising at least two groups that can be activated by actinic radiation, and then subjecting the mixture (1) to a weak shearing action (2) together with a mixture that contains (D) a compound of the general formula (Sol-)mM(R)n(H)p (I), and (E) water. In this general formula, S is a reactive functional group; L is an at least

divalent linking group; H is a hydrolyzable group or a hydrolyzable atom; M is a bi- to hexavalent main group or sub-group metal; R is an organic group; o is an integer of from 1 to 5; m + n + p is an integer of from 2 to 6; p is an integer of from 1 to 6; and m and n are zero or an integer of from 1 to 5. The invention also relates to a method for producing these organic dispersions and to the use thereof.

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